

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SC 031229WO	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2004/001099	International filing date (day/month/year) 08/04/2004	(Earliest) Priority Date (day/month/year)
Applicant  NOKIA CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 7

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figure's is to be published with the abstract.

A. CLASSIFICATION OF SUBJECT  
IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	✓ WO 00/49824 A (NOKIA NETWORKS OY ; NAGHIAN SIAMAEK (FI)) 24 August 2000 (2000-08-24)	1-9, 11-13, 17-23,28
Y	page 6, line 4 - page 9, line 16	10, 14-16, 24-27
X	✓ GB 2 386 282 A (PA CONSULTING SERVICES) 10 September 2003 (2003-09-10)	1,4-9, 11, 17-23,28
	page 3, line 15 - page 5, line 23 page 17, line 23 - page 21, line 24	
Y	✓ WO 03/103235 A (ERICSSON TELEFON AB L M ; HEDEN KARIN (SE); ERIKSSON ANN-CHRISTINE (SE) 11 December 2003 (2003-12-11)	10,24
	page 3, line 1 - page 4, line 2 page 5, line 23 - page 6, line 11	
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

9 November 2004

Date of mailing of the international search report

18/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Poort, I

C.(Continuation) DOCUMENTS CITED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	✓ WO 01/76165 A (MOTOROLA INC) 11 October 2001 (2001-10-11) page 6, line 4 - page 9, line 10 -----	14-16, 25-27
A	✓ US 6 556 824 B1 (TSENG YICHYUN ET AL) 29 April 2003 (2003-04-29) column 3, line 5 - column 4, line 25 column 9, line 20 - column 10, line 14 -----	1-28

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0049824	A	24-08-2000	FI 990312 A	17-08-2000
			AU 2674800 A	04-09-2000
			BR 0008264 A	06-11-2001
			CN 1122432 B	24-09-2003
			EP 1153518 A1	14-11-2001
			WO 0049824 A1	24-08-2000
			JP 2002542639 T	10-12-2002
GB 2386282	A	10-09-2003	WO 03075523 A1	12-09-2003
WO 03103235	A	11-12-2003	WO 03103235 A1	11-12-2003
WO 0176165	A	11-10-2001	AU 4958101 A	15-10-2001
			BR 0109559 A	03-06-2003
			CN 1421084 T	28-05-2003
			EP 1275227 A1	15-01-2003
			HU 0204529 A2	28-04-2003
			JP 2003530018 T	07-10-2003
			WO 0176165 A1	11-10-2001
US 6556824	B1	29-04-2003	US 6201971 B1	13-03-2001
			EP 0946008 A2	29-09-1999